

# **COMPREHENSIVE (PHASE 2) REVIEW AND UPDATE TO THE BAY-DELTA PLAN**

## **Workshop1: Ecosystem Changes and the Low Salinity Zone**

Wednesday, September 5, 2012  
Continuing on Thursday, September 6, 2012

9:00 a.m. to 5:00 p.m.  
Joe Serna, Jr.-Cal/EPA Building  
Coastal Hearing Room  
1001 I Street, Second Floor  
Sacramento, CA 95814

### **Agenda**

Note: Times are approximate and may shift based on the length of presentations and/or the discretion of the Water Board. Written comments can be found at:  
[http://www.waterboards.ca.gov/waterrights/water\\_issues/programs/bay\\_delta/cmnt081712.shtml](http://www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/cmnt081712.shtml)

#### **Day 1: 9/5/12**

9:00 – 9:15	Welcome, agenda review
9:15 – 10:45	Invited Panel
10:45 – 10:55	Break
10:55 – 12:00	Regulatory / fishery agencies
12:00 – 12:55	Lunch
12:55 – 1:30	Regulatory / fishery agencies (cont.)
1:30 – 3:10	Resource management agencies
3:10 – 3:20	Break
3:20 – 5:00	Environmental / NGO groups

#### **Day 2: 9/6/12**

9:00 – 10:40	In-Delta water interests
10:40 – 10:50	Break
10:50 – 12:30	State / Central Valley Project contractors
12:30 – 1:30	Lunch
1:30 – 2:30	Sacramento Valley water suppliers
2:30 – 2:45	Break
2:45 – 3:45	Public comments
3:45 – 5:00	Additional Water Board questions

### ***Invited Expert Panel***

The Invited Expert Panel assembled by Dr. Peter Goodwin, the Delta Science Program's Lead Scientist, will focus on:

- Effects of the low salinity zone on various estuarine species
- Interaction of salinity with non-flow related factors
- Identification of modeling or other tools that can be used to measure and reasonably protect estuarine habitat

One or more of the following will make presentations:

Larry Brown	US Geological Survey
Jim Cloern	US Geological Survey
Steve Culberson	US Fish & Wildlife Service
Cliff Dahm	University of New Mexico
Bill Fleenor	UC Davis
Bruce Herbold	USEPA
Wim Kimmerer	San Francisco State University
Anke Mueller-Solger	Interagency Ecological Program

### ***Regulatory / fishery agencies panel***

Agency	Presenter	Topic
USEPA	Erin Foresman	<ul style="list-style-type: none"><li>• Flow interactions with species abundance and water quality standards</li></ul>
CA Dept. Fish & Game	Patrick Coulston	<ul style="list-style-type: none"><li>• Low Salinity Zone and inflow / outflow effects on Bay species</li></ul>
	John Shelton	<ul style="list-style-type: none"><li>• System ecology, watershed functions and services, and Central and South Delta interactions</li></ul>
	Randy Baxter (alternate)	
US Fish & Wildlife Service	Matt Nobriga	<ul style="list-style-type: none"><li>• Low Salinity Zone effects on Delta Smelt</li></ul>

### ***Resource management agencies panel***

Agency	Presenter	Topic
CA Dept. Water Resources	Ted Sommer	<ul style="list-style-type: none"><li>• X2 and non-flow criteria</li></ul>
	Andrew Schwarz	<ul style="list-style-type: none"><li>• Climate change and non-flow criteria</li></ul>
	John Leahigh	<ul style="list-style-type: none"><li>• Dealing with uncertainty</li></ul>

***Environmental / NGO panel***

<b>Agency</b>	<b>Presenter</b>	<b>Topic</b>
Bay Institute / NRDC	Jonathan Rosenfield	<ul style="list-style-type: none"><li>• Effects of flow, other stressors, and climate change on estuarine habitat and the LSZ</li><li>• Use of biocriteria and other decision tools to guide adaptive management of efforts to attain water quality objectives and protect beneficial uses</li></ul>
American Rivers	John Cain	<ul style="list-style-type: none"><li>• Interconnections between floodplain inundation, water turbidity, and fish habitat</li><li>• Associated modeling</li><li>• Modification of export facilities and operations under existing conditions and with approved BDCP</li></ul>
CA Sportfishing Alliance / CA Water Impact Network	Tim Stroshane	<ul style="list-style-type: none"><li>• Recent selenium science and modeling in relation to ecosystem changes and listed and non-listed species</li></ul>
	G. Fred Lee	<ul style="list-style-type: none"><li>• Importance of high tributary flow to minimize water quality impacts</li></ul>
	Tom Cannon	<ul style="list-style-type: none"><li>• Effects of past standards on flow and pelagic and salmonid species and measures necessary to protect those species</li></ul>

***In-Delta water interests panel***

<b>Agency</b>	<b>Presenter</b>	<b>Topic</b>
Bay Area Clean Water Agencies	Michael Connor	<ul style="list-style-type: none"><li>• Suisun Bay eutrophication issues; impacts of nutrient loadings on phyto and zooplankton</li></ul>
Sacramento County Regional Sanitation District	Mike Bryan	<ul style="list-style-type: none"><li>• Water quality, data quality objectives, regional monitoring</li></ul>
	Cameron Irvine	<ul style="list-style-type: none"><li>• Data quality objectives, invasive clams, contaminants</li></ul>
City of Antioch	Susan Paulsen	<ul style="list-style-type: none"><li>• Salinity impacts of water withdrawals</li></ul>
South Delta Water Agency	John Herrick	<ul style="list-style-type: none"><li>• SWP / CVP operations and problems with Delta/Project modeling</li></ul>

### ***State and Central Valley Project contractors***

<b>Agency</b>	<b>Presenter</b>	<b>Topic</b>
State Water Contractors, San Luis & Delta-Mendota Water Authority	Dave Fullerton Sheila Greene Patricia Glibert Chuck Hanson Paul Hutton	<ul style="list-style-type: none"><li>• Exploring the mechanisms driving changes to the Bay-Delta Estuary</li></ul>

### ***Sacramento Valley water suppliers panel***

<b>Agency</b>	<b>Presenter</b>	<b>Topic</b>
N CA Water Assoc., Sacramento Valley Water Users	Walter Bourez	<ul style="list-style-type: none"><li>• Uncertainty in LSZ positioning</li><li>• Concurrent trends in Sacramento Basin hydrology and pelagic populations</li><li>• Risks of unimpaired flow-based standards</li><li>• Water management to support multiple beneficial uses</li></ul>